



## GCA-11

### Airborne Directional Antenna



#### > Application

- Aerial and Ground ENG (Electronic News Gathering)
- Military
- Law Enforcement
- Surveillance

#### > Performance

This lightweight microwave transmit antenna is fully automatic, requires no operator intervention during normal operation, has no moving parts for low maintenance costs, and incorporates a solid state switchable antenna array.

The pod is self-contained with integral electronics employing a high performance embedded processor which handles all control, supervision, and high speed streaming communication protocols, together with a solid state compass, 12 channel GPS receiver and modular I/O system.

#### > Features

- No Moving Parts- Totally Solid State
- Small and Light Weight Pod
- Integral Processor, Compass, & GPS Receiver
- Low Maintenance Costs
- Electronic High Speed Directional Tracking
- Ground Data Output for Receive Tracking
- Directional, Manual, & Omni Operation
- Models Available from 1.7-6.525 GHz

#### > Technology

The GCA-11 comes standard with a compact, lightweight TDS Recon® X-Series handheld computer that features a high-performance 200 MHz or 400 MHz Intel XScale processor, improved touchscreen and a new built-in microphone. Its long-life battery works all day without a recharge. The Recon employs robust, custom designed, high-performance NAND Flash. Its Windows Mobile 5.0 software runs many common applications, including your calendar, e-mail and Mobile versions of Word, Excel and PowerPoint.

Broadcast Microwave Services, Inc.  
12367 Crosthwaite Circle • Poway, CA 92064 • U.S.A.  
Tel: +1-858-391-30 50 • Toll Free (U.S.): 800-669-96 67  
Fax: +1-858-391-30 49 • Website: [www.bms-inc.com](http://www.bms-inc.com)  
E-mail: [sales@bms-inc.com](mailto:sales@bms-inc.com)

Broadcast Microwave Services Europe GmbH & Co. KG  
Schwalbacher Str. 12 • 65321 Heidenrod • Germany  
Tel: +49-61 24-72 39-00 • Fax: +49-61 24-72 39-29  
Website: [www.bms-inc.com](http://www.bms-inc.com)  
E-mail: [saleseurope@bms-inc.com](mailto:saleseurope@bms-inc.com)

**BMS**  
A Cobu Company

> Supplied Accessories

GPS Antenna and Cable

PDA Controller with System Software

Cables and Connectors

A Complete System Incorporates External Analog or Digital Transmitter. Contact Factory for Details.

> Technical Characteristics

Frequency	1.7 - 6.525 GHz (500 MHz Bandwidth)
Gain	11 dBi
AZ Beamwidth	45°
EL Beamwidth	35°
Return Loss	14 dB
Operating Temperature	-20°C to +55°C
Humidity	Up to 95% RH Non-Condensing
Dimensions	12" Diameter x 9" High (30.48 x 22.86 cm)

Broadcast Microwave Services, Inc.  
12367 Crosthwaite Circle • Poway, CA 92064 • U.S.A.  
Tel: +1-858-391-30 50 • Toll Free (U.S.): 800-669-96 67  
Fax: +1-858-391-30 49 • Website: [www.bms-inc.com](http://www.bms-inc.com)  
E-mail: [sales@bms-inc.com](mailto:sales@bms-inc.com)

Broadcast Microwave Services Europe GmbH & Co. KG  
Schwalbacher Str. 12 • 65321 Heidenrod • Germany  
Tel: +49-61 24-72 39-00 • Fax: +49-61 24-72 39-29  
Website: [www.bms-inc.com](http://www.bms-inc.com)  
E-mail: [saleseurope@bms-inc.com](mailto:saleseurope@bms-inc.com)

